JP21009228

Document Identifier task started on Fri Jul 21, 2006 at 4:03 PM

Explored by Document Identifier in CAPLUS and MEDLINE.

CAPLUS Answers

1 for JP32009228

MEDLINE Answers

0 for JP32009228

1 references were found (0 duplicates removed)

Task History

JP21009228

Bibliographic Information

Secondary amines containing isoxazole rings. Kano, Hideo; Makisumi, Norio. (Shionogi & Co.). (1957), JP 32009228 19571030 Showa. Patent language unavailable. CAN 52:88335 AN 1958:88335 CAPLUS

Patent Family Information

Patent No.	Kind	Date	Application No.	Date
JP 32009228		19571030	JP	

Abstract

3,4-Dimethyl-5-aminoisoxazole (I) (5.6 g.) and 5.3 g. PhCHO refluxed 1 hr. and the solid product recrystd. from MeOH gave 8.4 g. 5-PhCH:N analog (II) of I, m. 96-8°. II (8 g.) in 30 ml. MeOH treated dropwise with 1.52 g. NaBH4 in 30 ml. MeOH, heated 2 hrs. at 50°, the MeOH removed, the residue with H2O filtered off and recrystd. from dil. MeOH gave 7.9 g. 3,4-dimethyl-5-benzylaminoisoxazole (III), m. 118-19°. Similarly are prepd. 5-(p-RC6H4CH:N) analogs of II (R and m.p. given): MeO, 114-15°; Me2N, 139-40°. 5-(p-RC6H4CH2NH) analogs of III (R and m.p. given): MeO, 77-8°; Me2N, 126-7°. 3,4-Tetramethylene-5-(R-substituted)-isoxazoles (R and m.p. given): PhCH:N, 74-6°; p-MeOC6H4CH:N, 133-4°; o-O2NC6H4CH:N, 127-8°; PhCH2NH, 114-15°; p-MeOC6H4CH2NH, 88-90°; p-MeNC6H4CH2NH, 126-7°. 3-Phenyl-5-(R-substituted)ixoxazoles (R and m.p. given): PhCH:N, 140-1°; PhCH2NH, 91-2°; p-MeOC6H4CH:N, 150-1°; p-MeOC6H4CH2NH, 77-9°. 5-Furfurlideneamino analog of I, m. 104°; 5-furfurylamino analog of III, m. 103-4°. These products are useful as intermediates for syntheses of antihistaminies.